

**MD-BOTH INDUSTRIES**

BOX 306  
 NICKERSON ROAD  
 ASHLAND  
 MASSACHUSETTS 01721  
 TEL (508) 881-4100  
 FAX (508) 881-1656

**Hazard Ratings**

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 Minimal.....0  
 Slight.....1  
 Moderate.....2  
 Serious.....3  
 Severe.....4

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	SG

**MATERIAL SAFETY DATA SHEET**

Date of Preparation: May 29, 1997  
 Prepared by: Scott D. Fields

**SECTION 1**

Manufacturer's Name: MD-BOTH Industries  
 Street Address: 40 Nickerson Road, Ashland, MA 01721  
 Emergency Telephone #: CHEMTREC 800-424-9300 24HRS  
 Product Class: Metallic Heatset Offset Ink  
 Trade Name: Silver Ink, Heatset Offset  
 Product Code: 8677

**SECTION 2 -- HAZARDOUS INGREDIENTS**

CAS Number	Ingredient	Boiling range (deg. F)	TLV	LEL
64742-80-9	Light petroleum distillate	492-565	NA	NA
64741-91-9	Light petroleum distillate	534-592	NA	NA
7429-90-5	Aluminum	NA	10mg per cu. m. (TWA as dust)	Approx. 30 oz. per 1000cu.ft. (as dust)

(See Section 4)

All components of these products are listed in the TSCA inventory and the Canadian DSL.

This product contains no Section 313 Reportable Chemicals.

**SECTION 3 -- PHYSICAL DATA**

Boiling range (deg. F): 492-592  
 Vapor density: Heavier than air  
 Liquid density: Heavier than water  
 Odor: Mild petroleum solvent odor

### SECTION 3 (continued)

Appearance: Silver colored paste  
Evaporation rate: Slower than butyl acetate  
% VOC: 38%

### SECTION 4 -- FIRE AND EXPLOSION DATA

Flammability Classification: OSHA Class IIIB  
DOT: Not regulated  
Flash Point of solvent (deg. F): Minimum 210 by Pensky Martens  
Closed Cup.  
Extinguishing Media: Foam, carbon dioxide, dry chemical, sand  
Unusual Fire and Explosion Hazards: Closed containers may  
explode when exposed to extreme heat. If all organic  
material burns off, remaining aluminum powder may react  
violently with water to form hydrogen gas. Aluminum  
particles will burn at a very high temperature as a mass of  
material. Aluminum particles may explode if dispersed in  
air.  
Special Firefighting Procedures: Water is not a suitable  
extinguishing medium.

### SECTION 5 -- HEALTH HAZARD DATA

#### Effects of Overexposure:

Eye contact-- May cause irritation.

Skin contact-- May cause dryness, irritation or dermatitis.

Inhalation-- Solvent vapors may cause irritation in  
respiratory tract.

Ingestion--May cause aspiration of small amounts of  
material into lungs resulting in possible  
irritation of mucous membranes or central  
nervous system damage.

Primary Routes of Entry: Inhalation of solvent vapors. Skin  
contact.

#### Emergency and First Aid Procedures:

Eye contact: Flush with large amounts of water for 15  
minutes or until irritation subsides. If  
irritation persists, call physician.

Skin contact: Wash with soap and water. Remove and wash  
contaminated clothing.

Inhalation: Remove affected person to fresh air. Restore  
normal breathing.

Ingestion: Do not induce vomiting. Call physician.

### SECTION 6 -- REACTIVITY DATA

Product Stability: Stable

Conditions to avoid: Extreme heat, sparks, open flames.

Hazardous decomposition products: Incomplete combustion can  
form carbon monoxide, smoke, or fumes.

SECTION 7 -- SPILL OR LEAK PROCEDURES

Procedure When Material Spilled or Released: Scoop up material and place in suitable container. Absorb excess solvent with sand or dry earth.  
Waste Disposal Method: Dispose of contaminated material in accordance with local, state, and federal regulations.

SECTION 8 -- SPECIAL PROTECTION INFORMATION

Ventilation: Use with ventilation sufficient to prevent buildup of dangerous concentrations of solvent vapor in air.

Protective Gloves: Use chemical resistant gloves to avoid prolonged skin contact.

Respiratory Protection: Not normally required if product is used in sufficiently ventilated area.

Eye Protection: Use chemical goggles.

Other Protective Equipment: Use chemical apron.

SECTION 9 -- SPECIAL PRECAUTIONS

Handling and Storage: Store in closed containers in a cool, dry, well-ventilated area.

Other Precautions: Do not ingest. Avoid prolonged contact with skin, contact with eyes, and breathing vapor.

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